

WORLD ROBOT OLYMPIAD 2009

Competition Rules – Open Category

Theme: “Artist Robot”

Rules

1. A team may only participate in Regular or Open Category. Not both!
2. The competition will take place within three age groups: Elementary, Junior High, High school category.
3. There is no restriction on the balance between LEGO elements and other materials. However, all robots must be operated by RCX or NXT controller and any software.
4. Robots may be preassembled and software program may be pre-made!
5. The size of booth will be 2000mm x2000mm x 2000mm.
6. The size of table will be 1200mm x 600mm.
7. Open Category teams must go through this process:
 - Final assembly and test of robot
 - Decorate the booth with posters.
 - Demonstration to the judges and Q & A from judges.
8. Teams must submit a report summarizing what the robot can do, and in which way the

robot is unique. The report must be handed out to the judges in paper form.

9. Visual description materials must be submitted by pictures/photos/video from different angle of the robot creation and example of the program.

10. Teams must decorate the booth with one or more posters with the dimension of minimum 120 cm x 90 cm. The poster(s) should introduce the robot project to the visitors.

11. Regarding #8, 9, teams must submit a 2 min. video to the WRO website via online or uploading before 15. Oct, 2009.

Presentation

The judging will be executed in three age groups: Elementary school, Junior High school, High school. Teams will have around 10 minutes for judgement: 5 minutes to explain and demonstrate the robot, remaining 2–5 minutes for Q & A from the judges.

Judging Criteria per Category

1) Video Judge Total Average

- Design is based upon the theme given
- Creative design and structure of robot
- Presentation quality

2) Most Creative Design Total Average

- Creative appearance
- Unique, complex, interactive behaviour

3) Best Technical Design Total Average

- Good engineering
- Stable structure

4) Best Presentation Total Average

- Successful and stable demonstration
- High team spirit and energy
- Clear concept in presentation, poster, and report

5) Minus Points Total Average

- No RCX or NXT
- No poster
- No report
- Exceeds the maximum display area provided

✳ If clearly not within the theme, we give 0 points as a final score.